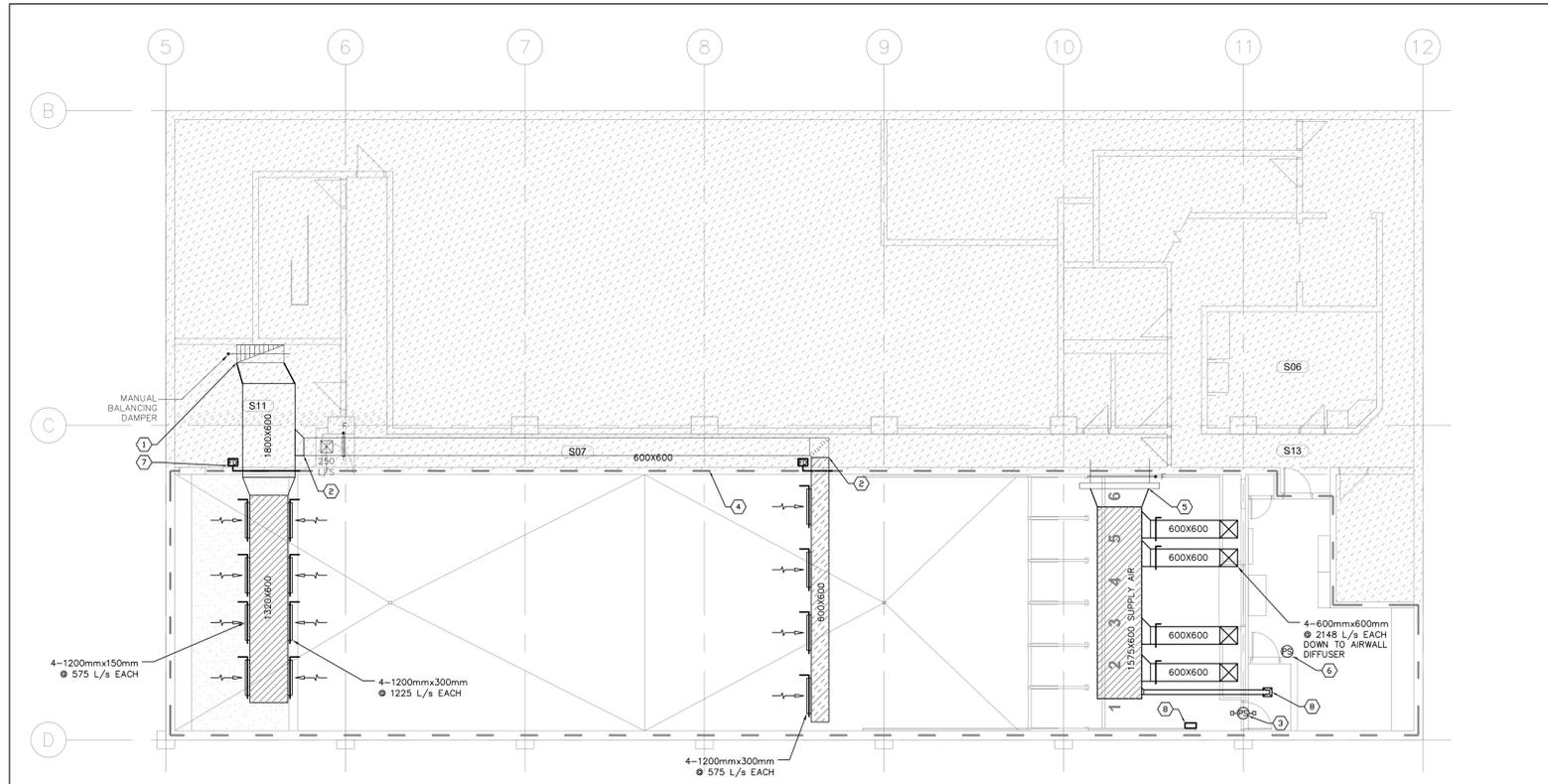


**PRELIMINARY**  
NOT FOR CONSTRUCTION

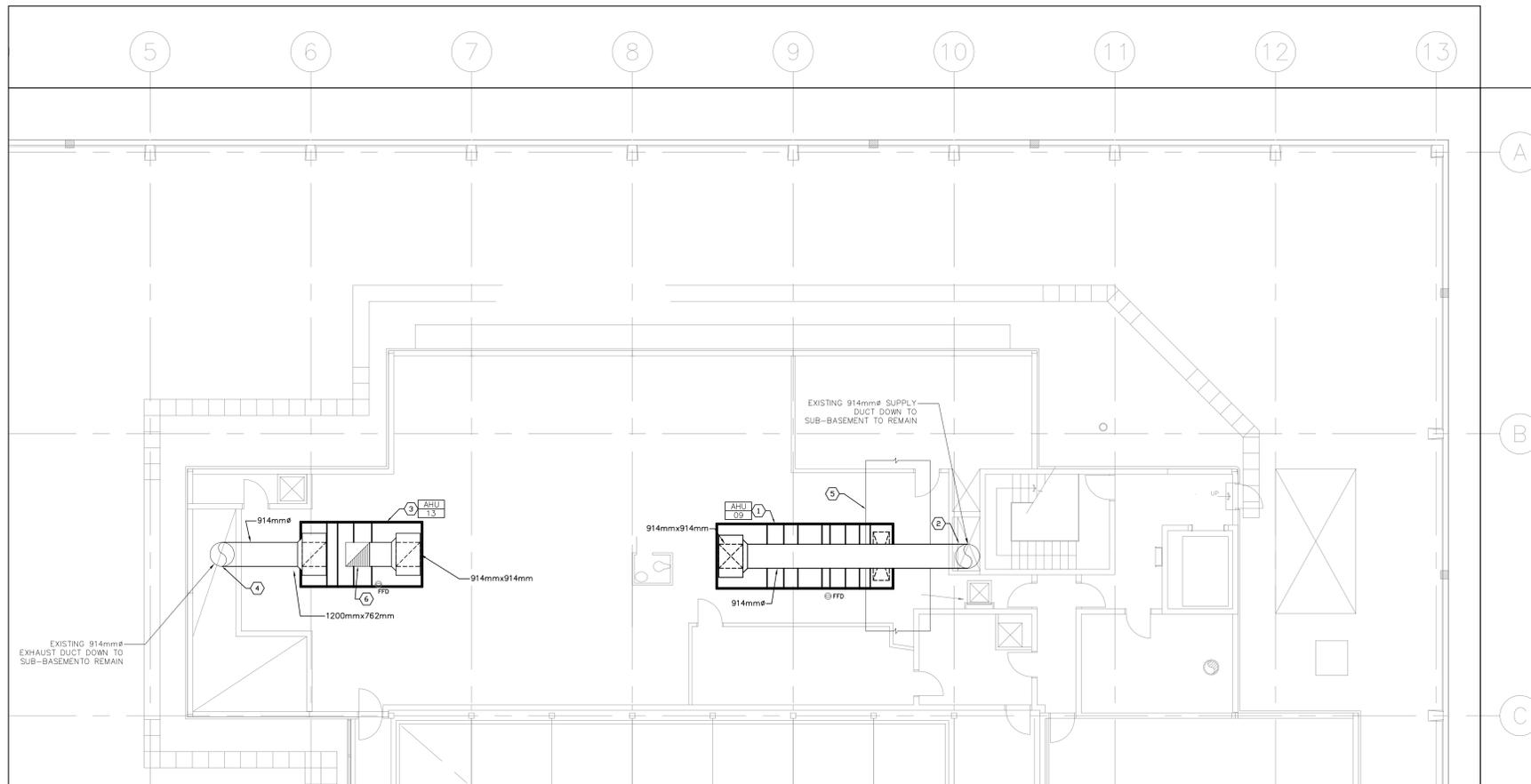
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**1** SUB-BASEMENT – NEW MECHANICAL PLAN  
M1.0 M1.0 1:100

**1/M1.0 NEW DRAWING NOTES:**

- ① CONNECT NEW 1800mmx600mm EXHAUST DUCT TO EXISTING AT APPROXIMATELY THIS LOCATION. MODIFY CONNECTIONS TO SUIT NEW DUCT INSTALLATION.
- ② MODIFY CONNECTION TO SUIT NEW EXHAUST DUCT INSTALLATION.
- ③ PROVIDE DIFFERENTIAL PRESSURE SENSOR BETWEEN VESTIBULE AND RANGE. WIRE TO DIFFERENTIAL PRESSURE MONITOR LOCATED OUTSIDE THE VESTIBULE.
- ④ REFER TO DRAWING M2.1 FOR SPRINKLER HEADS AND PIPING WORK IN THIS OUTLINED AREA.
- ⑤ CONNECT NEW 1575mmx600mm SUPPLY AIR DUCT TO EXISTING. MODIFY CONNECTION TO SUIT NEW INSTALLATION.
- ⑥ DIFFERENTIAL PRESSURE MONITOR. INTERCONNECTED WITH ALARM TO DDC.
- ⑦ PROVIDE NEW FIRE DAMPER TO SUIT NEW DUCT SIZE.
- ⑧ DDC VENTILATION CONTROL PANEL.
- ⑨ 300x300mm SUPPLY AIR DIFFUSER, OFF WHITE SQUARE PLAQUE FOR T-BAR MOUNTING WITH 100mm $\phi$  NECK SIZE.



**2** PARTIAL PENTHOUSE – NEW MECHANICAL PLAN  
M1.0 M1.0 1:100

**2/M1.0 NEW DRAWING NOTES:**

- ① NEW SUPPLY AIR HANDLING UNIT (AHU-09). CONNECT ALL HYDRONIC AND STEAM PIPING AND CONTROLS RESPECTIVELY. PROVIDE REDUCER FITTINGS IF REQUIRED. COORDINATE PIPE ROUTING TO SUIT NEW INSTALLATION.
- ② CONNECT NEW 914mm $\phi$  SUPPLY AIR DUCT TO EXISTING 914mm $\phi$  IN SHAFT. MODIFY CONNECTION TO SUIT NEW INSTALLATION.
- ③ NEW EXHAUST AIR HANDLING UNIT (AHU-13). CONNECT ALL HYDRONIC PIPING AND CONTROLS RESPECTIVELY. PROVIDE REDUCER FITTINGS IF REQUIRED. COORDINATE PIPE ROUTING TO SUIT NEW INSTALLATION.
- ④ CONNECT NEW 914mm $\phi$  EXHAUST AIR DUCT TO EXISTING 914mm $\phi$  IN SHAFT. MODIFY CONNECTION TO SUIT NEW INSTALLATION.
- ⑤ EXISTING FRESH AIR PLENUM.
- ⑥ EXISTING EXHAUST AIR DUCT THROUGH ROOF.



5		
4		
3		
2	ISSUED FOR CONSTRUCTION	FEB 23/15
1	ISSUED FOR 99% REVIEW	DEC 22/14
0	ISSUED FOR 50% REVIEW	OCT 20/14

Revision Description Date

Client client

**ROYAL CANADIAN MOUNTED POLICE D-DIVISION**  
1091 PORTAGE AVENUE  
WINNIPEG, MANITOBA

Project Project  
**WINNIPEG, MANITOBA**  
1091 PORTAGE AVENUE  
D-DIVISION HEADQUARTERS  
**FIRING RANGE UPGRADE**

Designed by Conçu par  
DH/RR

Drawn by Dessiné par  
RR

Approved by Approuvé par  
DH

PWSC Project Manager Administrateur de Projets TPSGC  
PAUL DUCHARME

Drawing title Titre du dessin

**SUB-BASEMENT  
NEW MECHANICAL PLAN**  
  
**PARTIAL PENTHOUSE  
NEW MECHANICAL PLAN**

Project no./No. du projet Drawing no./No. du dessin Revision no.

**M1.0** **0**  
OF 04